

ABSTRACT

A soft magnetic metal powder having a predetermined  
particle size (about 1  $\mu\text{m}$ ) or less is kneaded with plastic  
5 or rubber in a volume ratio of about 10% to 50%, and  
preferably, in a content of 10% to 40%, and the kneaded  
composite is subjected to working which extends a composite  
material in one direction, such as extruding, rolling,  
rolling after extruding, drawing after extruding, or rolling  
10 after injection. As a result, the magnetic permeability can  
be enhanced, the direction dependency can be given to  
magnetic permeability, the dimensional accuracy can be  
improved, and the magnetic core material can be made hard to  
be damaged.